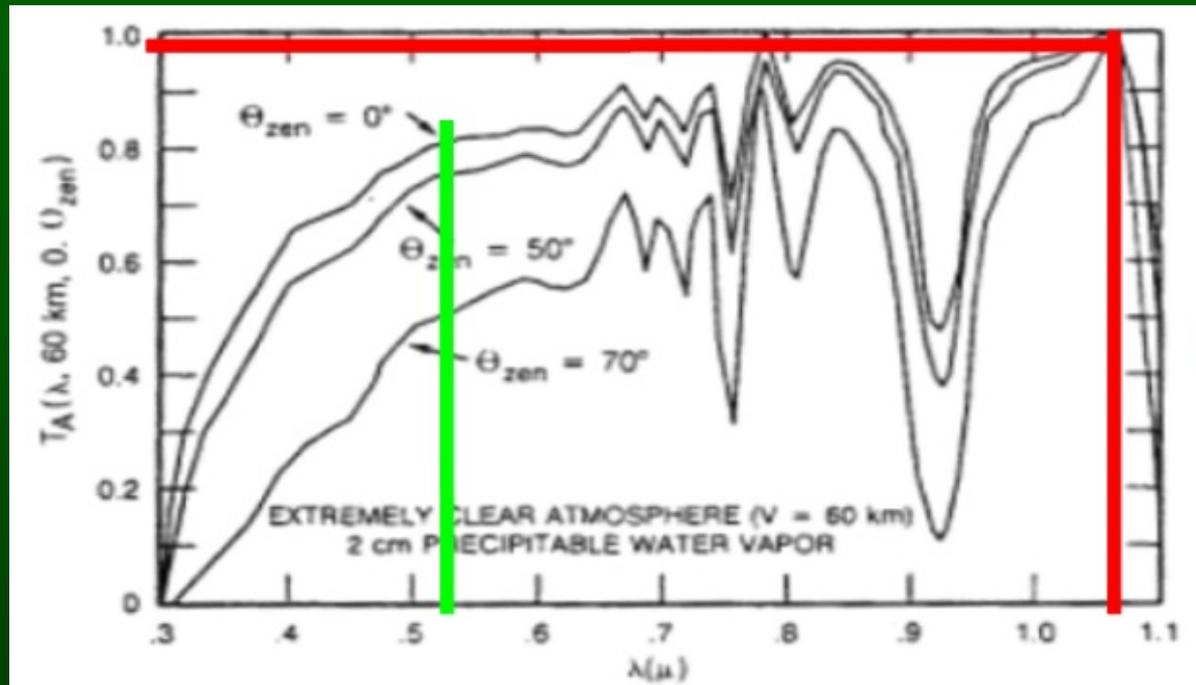


# Improvement of the daylight tracking using an infrared link

## Laser more powerful:

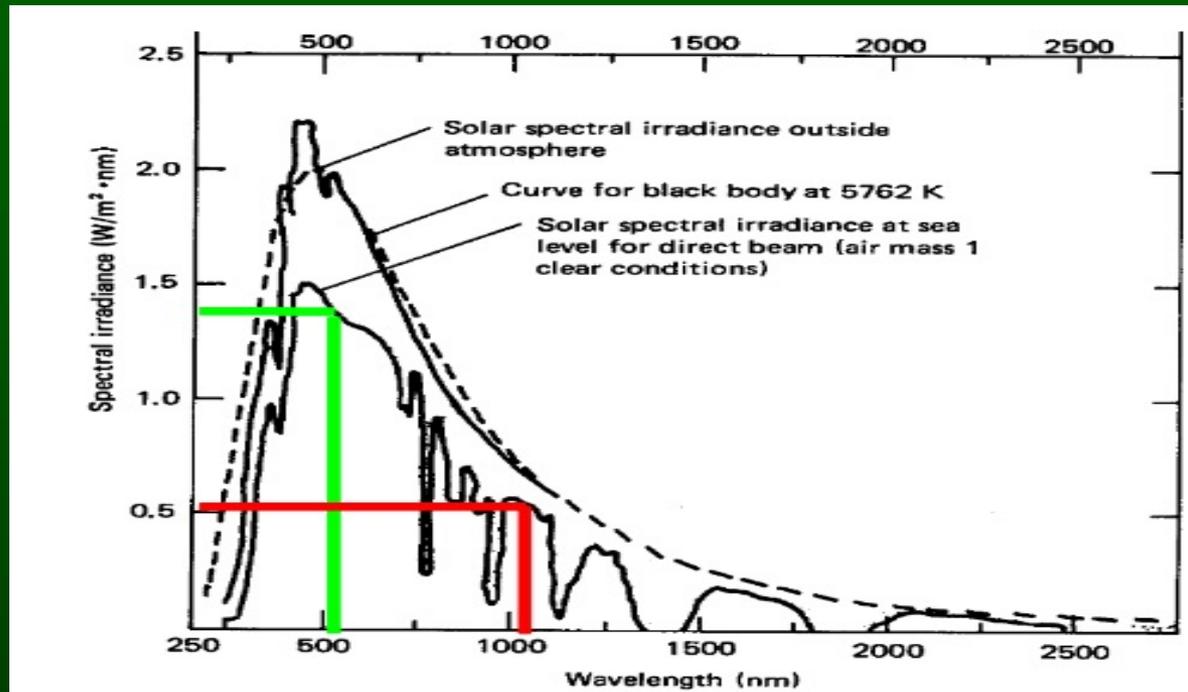
- For the same energy, two times more photons in infrared than in green
- The number of photons increases if you remove the non-linear crystal:
  - KDP: 50% green, 50% IR: 4 times more photons in IR
  - LBO: 66% green, 33% IR: 3 times more photons in IR

# Improvement of the daylight tracking using an infrared link



**Better transparency of the sky**

# Improvement of the daylight tracking using an infrared link



Less solar noise

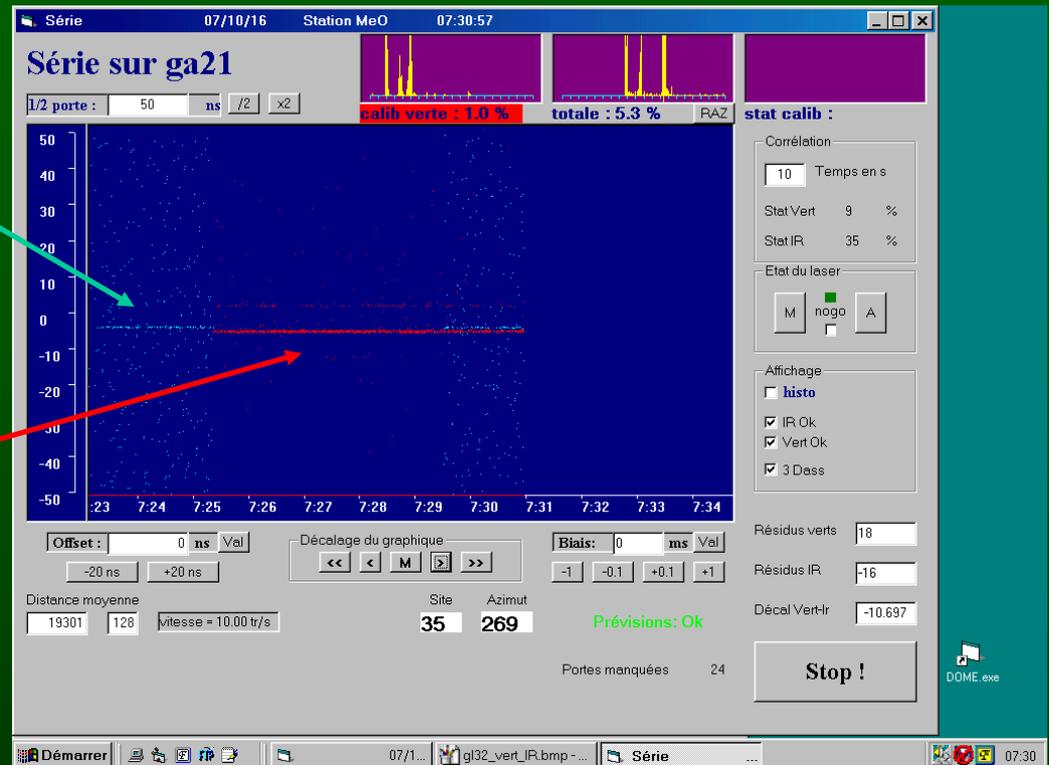
# Improvement of the daylight tracking using an infrared link

Green link:

- Few echoes
- High noise

Infrared link:

- High number of echoes
- Low noise



## Galileo 2 colors tracking

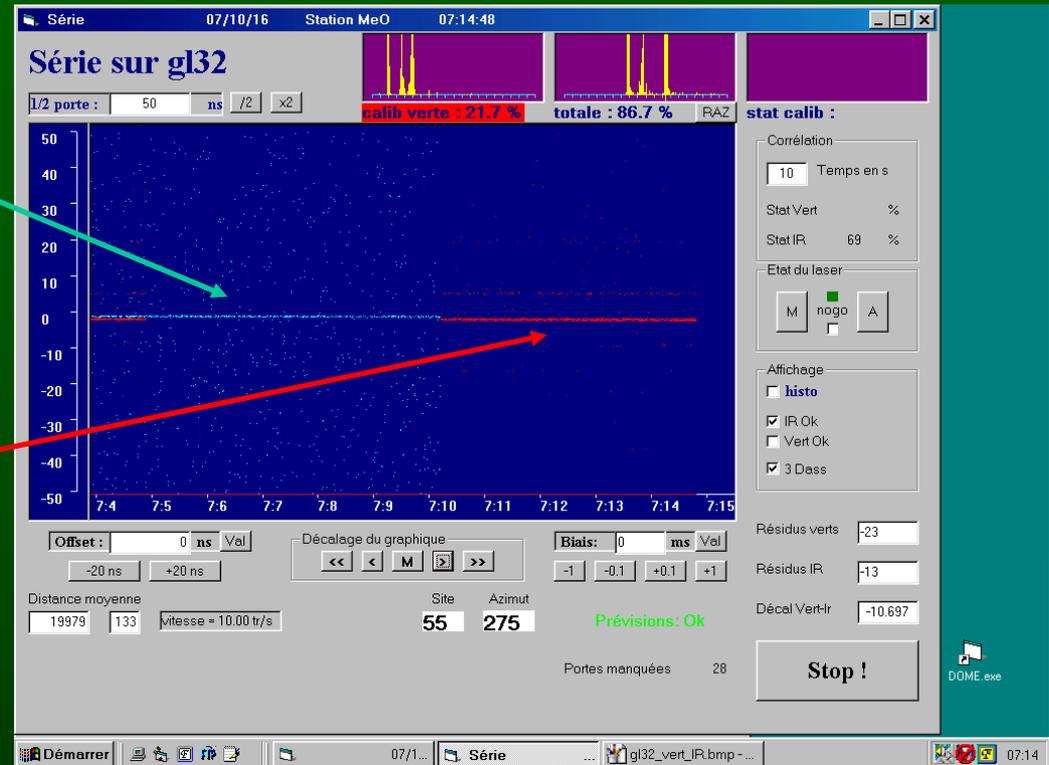
# Improvement of the daylight tracking using an infrared link

## Green link:

- Some echoes
- High noise

## Infrared link:

- High number of echoes
- Low noise



## GLonass 2 colors tracking